

Product datasheet for **MR228282**

Mea1 (NM_001277312) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Mea1
Synonyms:	Mea-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR228282 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTCGGATACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCAGTAGTTCTAGGGGGAGACACCATGGGCCCTGAGCGTATCTTCCCAATCAGACTGAGGACT
TAGGGCCACATCAGGGTCTACAGAAGGAAGTGGGATTGGAGCAGTGAAGAACCCGAGGAAGAGCAGGA
GGAAACAGGAGCAGGCCCAGCAGGCTACTCGTACCAGCCCCCAATCAAGACCTGAACAAGAAGAGGTG
GAATTGGCACCAGTGGGTGAAGGAGAAGATGGAGCTGCTGACATCCAAGATCGGATCCAGGCCCTGGGC
TTCATCTGCCAGACCTCCATTGGAGAGTGAGGATGAAGATGAGGAGGGAGCCGCCGATTGAGCAGCCA
CAGCTCTATCCCCATGGACCCAGAACATGTAGAGCTGGTGAAAAGGACGATGGCTGGAGTAAGCCTGCCT
GCACCAGGGGTTCTGCCTGGGCTCGGGAGATCTCGGACGCTCAGTGGGAAGATGTGGTACAGAAAGCCC
TCCAAGCCCGCAGGCATCCCCTGCCTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228282 protein sequence
Red=Cloning site Green=Tags(s)

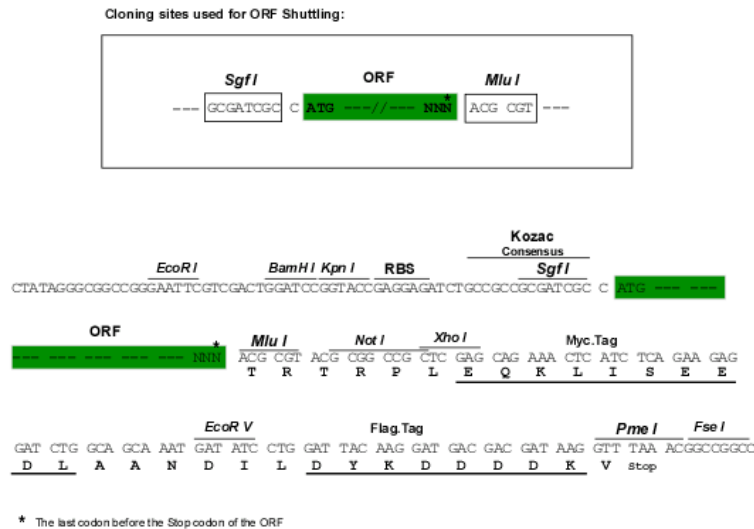
MAAVVLGGDTMGPRIFFPNQTEDLGPHQGPTGTGDSSEEPPEEEQEETGAGPAGYSYQPLNQDPEQEEV
ELAPVGEEDGAADIQDRIQALGLHLPDPPELESEDEEGAAALSSHSSIPMDPEHVELVKRTMAGVSLP
APGVPWAREISDAQWEDVVQKALQARQASPAWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001277312

ORF Size: 522 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

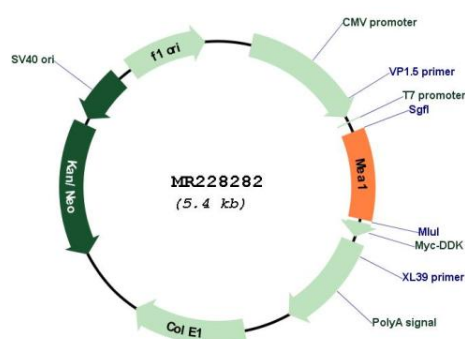
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001277312.1, NP_001264241.1

RefSeq Size: 885 bp

RefSeq ORF:	525 bp
Locus ID:	17256
UniProt ID:	Q64327
Cytogenetics:	17 22.9 cM
MW:	18.6 kDa
Gene Summary:	May play an important role in spermatogenesis and/or testis development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228282